UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192048

Serial No. MAIN-BILL:

Name of work: Construction of drains and roads in main roads of Nethaji-nagara in ward no.07- byatarayanapura, From ..... To .....

Name of Contractor of nature of Agency: Kodigehalli sub-division:

Date of commencement of work:

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Est cost:	Rs. 20.0 lakhs.					
	Job code:	007-17-000013 : A1771.					
	A.S. No:-	AS/CE(YNK)/68/16-17; dt: 31-12-16.					
	T.S. No:-	TS/EE(BTP)/100/16-17; dt: 06-01-17.					
	Agr No:-	BBMP/EE/BTP/Agr/204/16-17; 08-03-17.					
	WO No:-	No. BBMP/EE/W/O/204/16-17; 08-03-17.					
	Agency:-	N. Venkata reddy:					
	Date of completion:-						
	Date of recording:-						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 01:- Earthwork excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications and direction of the engineer-in-charge.						
	Qty vide page No. 1921/192085 → 420.0 cum						
	At the rate of Rs. 83.16 →						34927.0
	Item No. 10:- loading and unloading charges.						
	Qty vide Item No. 01 → 420.0 cum						
	At the rate of Rs. 94.82 →						39824.0

Serial No.....

Name of work.....

Name of Contractor of nature of Agency....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Num
	Item No. 02:- Providing and la	
	of nominal mix 1:4:8	
	granite metal machin	
	exceeding 15 cms. thic	
	including cost of all m	
	complete as per specifi	
	Qty vide pag	
	At the rate of	
	Item No. 07:-	
	Providing and f	

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
o for foundation of building, water				
and electrical conduits either in				
nd above in width, in ordinary				
in depth including dressing the				
and trenches, stacking the				
rom edges of excavation with				
aking of clods complete as per				
ion of the engineer-in-charge.				
1921/192085 → 420.0 cum				
				34927.0
83.16 →				
ding charges.				
No. 01 → 420.0 cum				
				39824.0
Rs. 94.81 →				

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192049

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 02:- Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery curing complete as per specifications:						
	Qty vide page No. 1921/192086 → 48.90 cum.						
	At the rate of Rs. 5070.60 →						247952.30
	Item No. 07:- Providing and fabricating TMT steel reinforcement for RCC						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required tying with binding wire and anchoring to the adjoining member wherever necessary complete as per design						
	Qty vide page. No. 1921/192089 → 4.38 tonne.						
	At the rate of Rs. 45629.0 →						199855.0
	Item. No. 08:- Providing and removing, centering, shuttering, strutting propping etc., and removal of form work for vertical surface such as walls at any thickness including attached pilasters, buttressed, plinth and string courses cost of all materials, labour complete as per specifications.						
	Qty vide page. No. 1921/192090 →					489.60 sqm	
	At the rate of Rs. 306.72 →						150170.0

M.A.R. 5

Measur

Serial No.....

Name of work.....From.

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	L
1	2	3	
	Item. No. 04:- Providing and laying of design mix M20 with OPC c size graded granite metal fine aggregates @ 0.459 cu confirming to IS 9103-1999. - not exceeding 15cms thick, plinth and ground floor retaining walls, return wal attached pilasters columns		

UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
lening,	cutting, bending, hooking,			
pping and or welding wherever				
inding wire and anchoring to the				
erever necessary complete as per design.				
0.1921/192089 →	4.38 tonne.			
.. 45629.0 →				199855.0
emoving, centering, shuttering, strutting				
val of form work for vertical surface				
hickness including attached pilasters				
string courses cost of all materials,				
specifications.				
0.1921/192090 →	489.60 sqm			
306.72 →				150170.0

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192050

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Item. NO. 04:-						
	Providing and laying in position reinforced cement concrete						
	of design mix M20 with OPC cement @ 320kgs with 20mm & down						
	size graded granite metal coarse aggregates @ 0.878 cum &						
	fine aggregates @ 0.459 cum with superplastizers @ 3lts						
	confirming to IS 9103-1999. - machine mixed, concrete laid in layers						
	not exceeding 15cms thick, vibrated for all works in foundation						
	plinth and ground floor level for roof slabs, stair case lintels,						
	retaining walls, return walls, walls (any thickness) including						
	attached plasters columns piers abutments pillars posts						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	strits buttresses string or lacing courses parapets copings, bed blocks, plain windows sills, fillets etc., including cost of all materials, labour, TOM of machinery curing complete as per specifications.						
	RCC- DRAIN - BOTTOM						
	3rd main road - RHS:						
	0-13.6	01	13.60	0.75	0.15	= 1.54	
	13.6-28.6	01	15.0	0.75	0.15	= 1.69	
	28.6-43.6	01	15.0	0.75	0.15	= 1.69	
	43.6-58.6	01	15.0	0.75	0.15	= 1.69	
	58.6-73.6	01	15.0	0.75	0.15	= 1.69	
	73.6-87.6	01	14.0	0.75	0.15	= 1.58	
						9.87 cum	
	LHS:-						
	0-15.0	01	15.0	0.75	0.15	= 1.69	
	15-30.0	01	15.0	0.75	0.15	= 1.69	

3.38

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Num 3
	30-45	01
	45-60	01
	60-74.5	01
	3rd main road:-	
	RHS:- 0-15	01
	15-30	01
	30-45	01
	45-60	01
	60-75	01
	75-90	01

ENT BOOK

Dimensions th	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	lacing courses parapets			
	windows sills, fillets etc.,			
	ilk, labour, TOM of			
	as per specifications.			
0	0.75	0.15	= 1.54	
0	0.75	0.15	= 1.69	
0	0.75	0.15	= 1.69	
0	0.75	0.15	= 1.69	
0	0.75	0.15	= 1.69	
·0	0.75	0.15	= 1.58	
			9.87 cum	
·0	0.75	0.15	= 1.69	
·0	0.75	0.15	= 1.69	
			3.38	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192051

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 3.38 7	Reference to last Measurement 8
	30-45	01	15.0	0.75	0.15	= 1.69	
	45-60	01	15.0	0.75	0.15	= 1.69	
	60-74.5	01	14.5	0.75	0.15	= 1.63	
						8.38 cum	
	2nd main road:-						
	RHS:- 0-15	01	15.0	0.75	0.15	= 1.69	
	15-30	01	15.0	0.75	0.15	= 1.69	
	30-45	01	15.0	0.75	0.15	= 1.69	
	45-60	01	15.0	0.75	0.15	= 1.69	
	60-75	01	15.0	0.75	0.15	= 1.69	
	75-90	01	15.0	0.75	0.15	= 1.69	
						10.14.	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7 (16.14)	Reference to last Measurement 8
	90-105	01	15.0	0.75	0.15	= 1.69	
	105-120	01	15.0	0.75	0.15	= 1.69	
	120-135	01	15.0	0.75	0.15	= 1.69	
						15.19 cum	
	LHS:-						
	0-15	01	15.0	0.75	0.15	= 1.69	
	15-30	01	15.0	0.75	0.15	= 1.69	
	30-45	01	15.0	0.75	0.15	= 1.69	
	45-60	01	15.0	0.75	0.15	= 1.69	
	60-75	01	15.0	0.75	0.15	= 1.69	
	75-90	01	15.0	0.75	0.15	= 1.69	
	90-105	01	15.0	0.75	0.15	= 1.69	
	105-120	01	15.0	0.75	0.15	= 1.69	
	120-130	01	10.0	0.75	0.15	= 1.13	
						14.65 cum	
	SIDE-WALL:-						
	3rd main road-RHS						
	0-13.6	1x2=2	13.7	0.18	0.15	= 0.74	

M.A.R. 57

Measure

Serial No.....

Name of work.....From...

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Le
	13.6-28.6	1x2=2	15
	28.6-43.6	1x2=2	15
	43.6-58.6	1x2=2	15
	58.6-73.6	1x2=2	15
	73.6-87.6	1x2=2	14
	LHS:-		
	0-15	1x2=2	15
	15-30	1x2=2	15
	30-45	1x2=2	15
	45-60	1x2=2	15
	60-74.5	1x2=2	14

...MENT BOOK

Length 4	Breadth 5	Depth 6	Contents 7 (10.14)	Reference to last Measurement 8
5.0	0.75	0.15	= 1.69	
5.0	0.75	0.15	= 1.69	
5.0	0.75	0.15	= 1.69	
			15.19 cum	
15.0	0.75	0.15	= 1.69	
15.0	0.75	0.15	= 1.69	
15.0	0.75	0.15	= 1.69	
15.0	0.75	0.15	= 1.69	
15.0	0.75	0.15	= 1.69	
15.0	0.75	0.15	= 1.69	
15.0	0.75	0.15	= 1.69	
15.0	0.75	0.15	= 1.69	
10.0	0.75	0.15	= 1.13	
			14.65 cum	
2 13.7	0.18	0.15	= 0.74	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192052

Serial No.............................

Name of work..From...................................To...................................

Name of Contractor of nature of Agency..

Date of commencement of work...

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	13.6-28.6	1x2=2	15.0	0.20	0.15	= 0.90	
	28.6-43.6	1x2=2	15.0	0.40	0.15	= 1.80	
	43.6-58.6	1x2=2	15.0	0.42	0.15	= 1.89	
	58.6-73.6	1x2=2	15.0	0.50	0.15	= 2.25	
	73.6-87.6	1x2=2	14.0	0.60	0.15	= 2.52	
						10.10 cum.	
	LHS:-						
	0-15	1x2=2	15.0	0.25	0.15	= 1.13	
	15-30	1x2=2	15.0	0.30	0.15	= 1.35	
	30-45	1x2=2	15.0	0.40	0.15	= 1.80	
	45-60	1x2=2	15.0	0.45	0.15	= 2.03	
	60-74.5	1x2=2	14.5	0.60	0.15	= 2.61	
						8.92	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						= 8.91 cum	
				TOTAL=		67.07 cum	
	At the rate of Rs. 4712.0 →						316033.80
	Item. No. 02:- Providing and fixing 10cms thick pre-cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centering, shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15cm thick well compacted cost of all materials labour curing complete,						
	3rd main road	90	0.6	-	-	= 54.0	
	2nd main road	140	0.6	-	-	= 84.60	
						138.60 sqm	
	At the rate of Rs. 1836.0 →						254470.0
	Item. No. 03:- Providing and laying in position plain cement						

M.A.R.

Meas

Serial No.....

Name of work.....Fro

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3
	concrete of mix 1:2:4 with	
	size graded granite met	
	fine aggregates @	0.459c
	layers not exceeding 15cm	
	plinth and cills including	
	machinery curing	complet
	CULVERT - BOTTOM	
	Nethajinagara	
	1st main road	1.0
	1st cross	1.0
	3rd main road	1.0

ASUREMENT BOOK

mber 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				= 8.91 cum	
		TOTAL=		67.07 cum	
Rs. 4712.0 →					316033.80
fixing 10cms thick pre-cast RCC covering					
cement concrete M20 mix with stone					
down size including centering,					
ent and bar bending machine mixed					
s not exceeding 15cm thick well					
4 materials labour curing complete.,					
0	0.6	–	–	= 54.0	
0	0.6	–	–	= 84.60	
				138.60 sqm	
of Rs: 1836.0 →					254470.0
and laying in position plain cement					

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192053

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	concrete of mix 1:2:4 with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum & fine aggregates @ 0.459 cum, machine mixed concrete laid in layers not exceeding 15cm, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complete as per specifications.						
	CULVERT - BOTTOM						
	Nethajinagara						
	1st main road	1.0	5.0	0.60	0.15	= 0.45	
	1st cross	1.0	5.0	0.60	0.15	= 0.45	
	3rd main road	1.0	5.0	0.60	0.15	= 0.45	

1-35

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	1.35	
1	2	3	4	5	6	7	8
	Kuvempu layout:						
	1st cross	01	5.0	0.60	0.15	= 0.45	
	2nd cross	01	5.0	0.60	0.15	= 0.45	
	3rd cross	01	5.0	0.60	0.15	= 0.45	
						2.70 cum	
						[illegible] N.D AE(W7)	
	COPING ON SIDE-WALLS:-						
	Nethajinagara:						
	1st main road	1x2=2	5.0	0.45	0.10	= 0.45	
	1st cross road	1x2=2	5.0	0.45	0.10	= 0.45	
	3rd main road:	1x2=2	5.0	0.45	0.10	= 0.45	
	Kuvempu layout:-						
	1st cross	1x2=2	5.0	0.45	0.10	= 0.45	
	2nd cross	1x2=2	5.0	0.45	0.10	= 0.45	
	3rd cross	1x2=2	5.0	0.45	0.10	= 0.45	
						2.70 cum	

M.A.R. 57

Measuren

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	D	
		Number	Leng
1	2	3	4
	RAMPS:		
	Nethajinagara:		
	1st main road	1x2=2	5.0
	1st cross	1x2=2	5.0
	3rd main road	1x2=2	5.0
	Kuvempu layout:-		
	1st cross	1x2=2	5.0
	2nd cross	1x2=2	5.0
	3rd cross	1x2=2	5.0

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	1.35 7	8
5.0	0.60	0.15	= 0.45	
5.0	0.60	0.15	= 0.45	
5.0	0.60	0.15	= 0.45	
			2.70 cum	
			N.D AE(W7)	
5.0	0.45	0.10	= 0.45	
5.0	0.45	0.10	= 0.45	
5.0	0.45	0.10	= 0.45	
5.0	0.45	0.10	= 0.45	
5.0	0.45	0.10	= 0.45	
5.0	0.45	0.10	= 0.45	
			2.70 cum	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192054

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	RAMPS:						
	Nethajinagara:						
	1st main road	1x2=2	5.0	0.30	0.12	= 0.36	
	1st cross	1x2=2	5.0	0.30	0.12	= 0.36	
	3rd main road	1x2=2	5.0	0.30	0.12	= 0.36	
	Kuvempulayout:-						
	1st cross	1x2=2	5.0	0.30	0.12	= 0.36	
	2nd cross	1x2=2	5.0	0.30	0.12	= 0.45	
	3rd cross	1x2=2	5.0	0.30	0.15	= 0.45	
						2.34 cum	
				TOTAL=		7.14 cum	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
							42498.0
	At the rate of Rs: 5490.72 →						
	Item No: 07:-						
	Providing and constructing granite/trap/basalt sly stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete.,						
	CULVERT SIDEWALL:-						
	Nethajinagara:						
	1st main C&F.C.	1x2=2	5.0	0.45	0.60	= 2.70	
	1st cross	1x2=2	5.0	0.45	0.60	= 2.70	
	3rd main road	1x2=2	5.0	0.45	0.60	= 2.70	
	Kuvempu layout:						
	1st cross	1x2=2	5.0	0.45	0.60	= 2.70	
							10-80

M.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Num
	2nd cross	1x2
	3rd cross	1x2
	At the rate of	
	Item No.08:-	
	Providing rule	
	cement mortar 1:3, 20	
	and down size includin	
	SIDEWALL - POINTING:	
	Nethajinagara	
	1st main:	1x

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
5490.72 →				42498.0
ructing granite/trap/basalt sig				
ation with cement mortar 1:6, stone				
ases not less than 20cms high, bond				
each course including cost of				
g etc., complete.,				
5.0	0.45	0.60	= 2.70	
5.0	0.45	0.60	= 2.70	
5.0	0.45	0.60	= 2.70	
5.0	0.45	0.60	= 2.70	
			10.80	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 192055

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						16.80	
	2nd cross	1x2=2	5.0	0.45	0.60	= 2.70	
	3rd cross	1x2=2	5.0	0.45	0.60	= 2.70	
						16.20 cum	
	At the rate of Rs. 3456.0 →						55987.0
Item No.08:-	Providing ruled pointing of course stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm and down size including centering. complete.,						
	SIDEWALL - POINTING:						
	Nethajinagara						
	1st main:	1x2=2	5.0	-	0.60	= 6.0	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1st cross.	1x2=2	5.0	-	0.60	= 6.0	
	3rd mainroad.	1x2=2	5.0	-	0.60	= 6.0	
	Kuvempu layout:						
	1st cross	1x2=2	5.0	-	0.60	= 6.0	
	2nd cross	1x2=2	5.0	-	0.60	= 6.0	
	3rd cross	1x2=2	5.0	-	0.60	= 6.0	
						36.0 sqm	
	Qty ltd to 12.96cum						461.90
	At the rate of Rs. 35.64						
	Item. No. Providing and fixing 20cm thick pre-cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm & down size including centering shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15cm thick. well compacted,						

Serial No.....

Name of work.....From

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3
	CULVERT - SLABS:	
	Nethajinagara	
	1st main	7.0
	1st cross	8.0
	3rd main	7.0
	Kuvempu layout	
	1st cross	7.0
	2nd cross	7.0
	3rd cross	7.0
	At the rate of Rs.	

EMENT BOOK

Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
5.0	-	0.60	= 6.0	
5.0	-	0.60	= 6.0	
5.0	-	0.60	= 6.0	
5.0	-	0.60	= 6.0	
5.0	-	0.60	= 6.0	
			36.0 sq.m	
6cum				
35.64 →				461.90
g 20cm thick pre-cast RCC covering				
ent concrete M20 mix with stone				
ge including centering shuttering				
bending machine mixed concrete laid				
15cm. thick. well compacted,				

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192056

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	CULVERT - SLABS:						
	Nethajinagara						
	1st main	7.0	1.80	0.6	-	= 7.56	
	1st cross	8.0	1.80	0.6	-	= 8.64	
	3rd main	7.0	1.80	0.6	-	= 7.56	
	Kuvempu layout						
	1st cross	7.0	1.80	0.6	-	= 7.56	
	2nd cross	7.0	1.80	0.6	-	= 7.56	
	3rd cross	7.0	1.80	0.6	-	= 7.56	
						46.44 sq.m	
	At the rate of Rs		5111.0 →				237354.80

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item. No.						
	Providing laying, spreading and compacting graded fine aggregate to wet-mix-macadam specifications:						
	Qty vide page No. 1921/190091 →					13.15 cum	
	At the rate of Rs. 1713.96 →						22504.30
	Item. No.						
	Providing and applying tack coat with 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm.						
	3rd main road:						
	0-15	15.0	5.0	-	-	= 75.0	
	15-30	15.0	5.2	-	-	= 78.0	
	30-45	15.0	4.95	-	-	= 74.25	
	45-60	15.0	5.0	-	-	= 75.0	
	60-75	15.0	4.95	-	-	= 74.25	
						376.50	

Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date 1	Full description, etc, of work 2
	75-90
	90-105
	105-120
	120-135
	2nd main road:-
	0-15
	15-30
	30-45
	45-60
	60-75
	75-90

ENT BOOK

Dimensions th	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
ng and compacting graded fine				
lam specifications:				
192091 → 13.15 cum				
13.96 →				22504.3
g tack coat with 80/100 grade				
ed black topped surface at				
0	-	-	= 75.0	
2	-	-	= 78.0	
95	-	-	= 74.25	
0	-	-	= 75.0	
95	-	-	= 74.25	
			376.50	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192057

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						376.50	
	75-90	15.0	4.0	-	-	= 60.0	
	90-105	15.0	5.5	-	-	= 82.50	
	105-120	15.0	5.1	-	-	= 76.50	
	120-135	15.0	5.3	-	-	= 79.50	
						675.0 sqm	
	2nd main road:-						
	0-15	15.0	3.95	-	-	= 59.25	
	15-30	15.0	4.0	-	-	= 60.0	
	30-45	15.0	4.1	-	-	= 61.50	
	45-60	15.0	4.2	-	-	= 63.0	
	60-75	15.0	4.0	-	-	= 60.0	
	75-90	15.0	4.0	-	-	= 60.0	
						358.75	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7 (358.75)	Reference to last Measurement 8
	90-105	15.0	4.0	-	-	= 60.0	
	105-120	15.0	3.9	-	-	= 58.5	
	120-135	15.0	4.4	-	-	= 66.0	
						548.25 sqm	
					TOTAL =	1223.00 sqm	
	At the rate of Rs.		11.88 →			Ashpally. N.D AE(W7)	14530.0

Item No.

Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading premixed with bituminous binder and filler as per specifications: 25-30 mm compacted thickness with 5% bitumen. 80/100 grade.

3rd main road:

0-15	01	15.0	5.0	0.025	= 1.88	
15-30	01	15.0	5.2	0.025	= 1.95	
30-45	01	15.0	4.95	0.025	= 1.86	
45-60	01	15.0	5.0	0.025	= 1.88	

7.57

M.A.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3
	60-75	15.0
	75-90	15.0
	90-105	15.0
	105-120	15.0
	120-135	15.0
	2nd main road:-	
	0-15	01
	15-30	01
	30-45	01
	45-60	01
	60-75	01
	75-90	01

SUREMENT BOOK

ber	Dimensions Length 4	Breadth 5	Depth 6	Contents 7 (358.75)	Reference to last Measurement 8
0	4.0	-	-	= 60.0	
0	3.9	-	-	= 58.5	
0	4.4	-	-	= 66.0	
				548.25 sqm	
			TOTAL=	1223.00 sqm	
				Mbpl.N.D AE(WT)	14530.0
Rs.	11.88 →				

aying semi dense bituminous concrete
gates of specified grading premixed with
d filler as per specifications: 25-30 mm
with 5% bitumen. 80/100 grade.

01	15.0	5.0	0.025	= 1.88
01	15.0	5.2	0.025	= 1.95
01	15.0	4.95	0.025	= 1.86
01	15.0	5.0	0.025	= 1.88

7.57

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 192058

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7 (7.57)	Reference to last Measurement 8
	60-75	15.0	1.0	4.95	0.025	= 1.86	
	75-90	15.0	1.0	4.0	0.025	= 1.50	
	90-105	15.0	1.0	5.50	0.025	= 2.06	
	105-120	15.0	1.0	5.10	0.025	= 1.91	
	120-135	15.0	1.0	5.30	0.025	= 1.99	
						16.88 cum.	
	2nd main road:-						
	0-15	01	15.0	3.95	0.025	= 1.48	
	15-30	01	15.0	4.0	0.025	= 1.50	
	30-45	01	15.0	4.10	0.025	= 1.54	
	45-60	01	15.0	4.2	0.025	= 1.58	
	60-75	01	15.0	4.0	0.025	= 1.50	
	75-90	01	15.0	4.0	0.025	= 1.50	

9.10

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	9.10.	
1	2	3	4	5	6	7	8
	90-105	1.0	15.0	4.0	0.025	= 1.50	
	105-120	1.0	15.0	3.9	0.025	= 1.46	
	120-135	1.0	15.0	4.4	0.025	= 1.65	
						13.71 cum	
					TOTAL	30.58 cum	
	At the rate of Rs:			6546.96 →			200206.0
				GRAND TOTAL		= 18,16774.00	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

M.Lpll.N.D
AE(W7)

Certificate:

1) Certified that work done by the contractor is satisfactory.
2) Certified that debris has been removed from the work spot.

M.Lpll.N.D
AE(W7)

Assistant Executive Engineer
Kodigehalli Sub Division,
B.B.M.P.

Serial No.....

Name of work.....

Name of Contractor of nature of Ager

Date of commencement of work.....

Date	Full description, etc, of work
1	2

~~Accepted~~

All measurements with full & final settlement.

135.0m

Yoges

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	9.10. 7	8
5.0	4.0	0.025	= 1.50	
5.0	3.9	0.025	1.46	
5.0	4.4	0.025	= 1.65	
			13.71 cum	
		TOTAL	50.58 cum	
f Rs:	6546.96 →			200206.0
	GRAND TOTAL		= 18,16774.00	

M.L.P.W. N.D
AE (W7)

by the contractor is satisfactory.
been removed from the work spot.

Assistant Executive Engineer
Kodigehalli Division,

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192059

Serial No.....

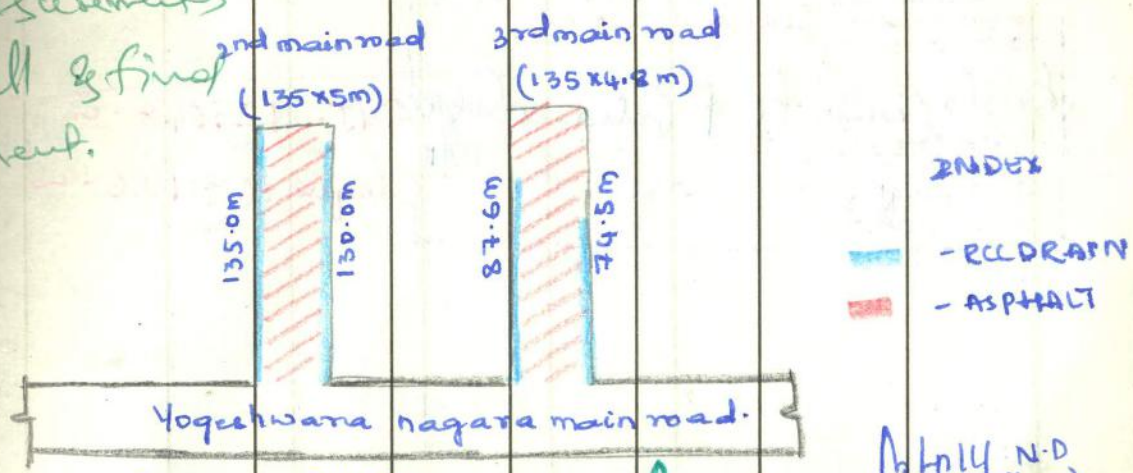
Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Accepted
All measurements with full & final settlement.



PLAN

M.L.P.W. N.D
AE (W7)

Assistant Executive Engineer,
Kodigehalli Sub Division

...EMENT BOOK

Date 1	Full description, etc, of work 2		Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			Total Rs: 18,16,774-00				
				IT.	18168-00		
				VAT.	72671-00		
				CCU	18168-00		
				CBF.	1817-00		
				LR -	14824-00		
				AdJ.	125648-00		
				Cheque	1691126-00		

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 18.16,774-00
ಗಳನ್ನು ಹಾಸ್ಸು ಮಾಡಿದೆ: ಇದರಲ್ಲಿ ರೂ 125648-00
ಮೊಂಬಾಗಕ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 1691,126-
Rs Sixteen lakh ninty one thousand one hundred twenty six only.
ಸಕ್ಷಮಾಧಿಕಾರಿ ಸಿಡಲಾಗಿದೆ

Krishna Gowda K.K. Chandrasekhar 17/11

ಲೆಕ್ಕಾಧ್ಯಕ್ಷಕರು
ಬ್ಯಾಟರಾಯನಪುರ ಇಲಾಗ
ಬೃ. ಬೆ. ಮಾ.

ಕಾ. ಪಾ. ಅ.
ಬ್ಯಾಟರಾಯನಪುರ ಇ.
ಬೃ. ಬೆ. ಮಾ.

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pre Measurements.

M.A.

Me

Serial No.....

Name of work... Improvements of R... Road Main Road on...

Name of Contractor of nature of Agency.....

Date of commencement of work... Agency:...

Date 1	Full description, etc, of work 2	Number 3
	Job No: 007-12-000058	
	AS NO: JC/Y/AS/198	
	TS NO: EE/BTP/TS/9	
	Agreement NO: EE/BTP	
	Work order NO: EE/BT	
1)	Earth work Excavation	
	Avg Horizontal through	
	Excavated Surface	
	deposited earth etc	